<u>Session 15</u> <u>Substitution of hazardous chemicals</u>

Substitution of hazardous chemicals is a fundamental measure to reduce risks to environment, workers, consumers and public health. Finding safer alternatives of hazardous chemicals is a systematic approach and an integrated part of a chemical management system.

The implementation of this session will require about 45 -55 minutes.

Learning outcomes

At the end of this session, the participants will be able to

- 1. understand six steps to chemical substitution.
- 2. apply some substitution examples from the industry.

Training materials required

Presentations	Handouts/Worksheets	Reading
PPT 15_substitution of hazardous chemicals	Workbook session 15	REMC Company Handbook – sections 4.2

Session plan

Time in min	Content/Activity	Reference/Material
5	IntroductionPresent learning outcomes and overview of the session	PPT 15_substitution of hazardous chemicals slides 1 – 2
10	Presentation - The Six steps to substitutionDiscuss 6 steps to chemical substitution	PPT 15_substitution of hazardous chemicals slides 4-11
35	 Presentation - Example of chemical substitution Explain sub sport, how it can support in substituting hazardous chemicals How stakeholders, brands can support Explain different priority chemicals with alternatives 	PPT 15_substitution of hazardous chemicals slides 12-23
	 Group exercise: Substitutions of hazardous chemicals Which chemicals from the 11 priority chemical groups have you substituted successfully? Which chemicals from the 11 priority chemical groups are you working towards substituting? 	Work book session 15
	Ask the participants present their findings to the peers and share the knowledge.	
5	Closing • Q&A • Summaries key points of the session	PPT 15_substitution of hazardous chemicals slides 24-25